10/501596 DT04 Rec'd PCT/PT0 1/4 JUL 200

Applicant: Jean Jack Worms Application No.:

- 1. (Currently Amended) An [E]energy routing device [containing at least one] comprising:

  a first energy routing chain [(7)] of attached links [that are linked one under the other

  another around vertical axes to the] defining a longitudinal direction of the energy
  routing chain [(7), and where] wherein a first end [(8)] of the energy routing chain
  [(7) can be attached] is attachable to a fixed location and [the second end (14) can
  be moved at least in the] wherein a second end of the energy routing chain is

  movable in a longitudinal direction[; also it includes] the first energy routing
  chain having a carrying side [(15)] and a returning side [(9)]; [arranged between
  them is] and
  - at least one central appliance [(16) that can be moved back and forth] movable in the longitudinal direction of the <u>first</u> energy routing chain [(7), characterized by the fact that the], the central appliance [(16, 34, 53, 71) has] <u>having</u> an effective connection with the carrying side [(15) so that during this effective connection,] <u>such that</u> the central appliance [(16, 34, 53, 71)] is moved along solely by the carrying side [(15)] <u>during the effective connection</u>.
- 2. (Currently Amended) <u>The [E]energy</u> routing device [according to Claim 1, characterized by the fact] <u>of claim 1, wherein</u> the effective connection is a frictional connection.
- 3. (Currently Amended) The [E]energy routing device [according to Claim 1 or 2, characterized by the fact that the central application (16, 34, 53, 71) has] of claim 1 wherein the central appliance comprises rolling elements [(54, 73)].

Application No.:

4. (Currently Amended) The [E]energy routing device [according to Claim 3, characterized by

the fact that the rolling elements (17) include of claim 3, wherein the rolling elements comprise

wheels.

5. (Currently Amended) The [E]energy routing device [according to Claim 3 or 4, characterized

by the fact that the rolling elements include] of claim 3 wherein the rolling elements comprise

rollers.

6. (Currently Amended) The [E]energy routing device [according to any one of Claims 3, 4, or 5,

characterized by the fact that at least two] of claim 3, wherein at least two rolling elements [(73)]

are joined together by a substantially rigid axis [(79)].

7. (Currently Amended) The [E] energy routing device [according to any one of Claims 3 to 6,

characterized by the fact that at least] of claim 3, wherein the rolling elements [(17, 54, 73) are

made of at least one] are formed of plastic material.

8. (Currently Amended) The [E]energy routing device [according to any one of Claims 3 to 7,

characterized by the fact that of claim 3, and further comprising a truss connected to at least one

of the rolling elements [(17, 54, 73) are connected to at least one truss (55, 72)].

3

Application No.:

9. (Currently Amended) The [E]energy routing device [according to Claim 8, characterized by the fact that at least one] of claim 8, wherein the truss [(55, 72)] is formed by a [profile (80, 81)] structural member having a first leg and a second leg joined at a right angle to the first leg.

10. (Currently Amended) The [E]energy routing device [according to any one of Claims 1 to 9, characterized by the fact that] of claim 3 wherein the rolling elements comprise at least one effective connection element [(17, 54, 73) and/or at least some links have elements] for forming an effective connection.

- 11. (Currently Amended) The [E]energy routing device [according to any one of Claims 1 to 10, characterized by the fact that] of claim 1 wherein the central appliance [(16, 34, 53, 71), especially the rolling elements (17, 54, 73) are suitable to be moved on the bottom side (18)] is movable on a bottom side of the carrying side [(15)].
- 12. (Currently Amended) The [E]energy routing device [according to any one of Claims 1 to 10, characterized by the fact that the central appliances (16, 34, 53, 60, 71) can be routed in] of claim 1, and further comprising at least one guiding duct [(56)] running longitudinally to the energy routing chain.
- 13. (Currently Amended) The [E]energy routing device [according to Claims 12, characterized by the fact that the guiding duct (56)] of claim 12, wherein the guiding duct is formed by [at least one duct profile (57)] a duct profile.

Application No.:

14. (Currently Amended) <u>The [E]energy</u> routing device [according to Claim 13, characterized by the fact that the] <u>of claim 13</u>, wherein a cross-section of the duct profile [(57)] is substantially L-shaped [or U-shaped].

15. (Currently Amended) The [E]energy routing device [according to any one of Claims 1 to 15, characterized by the fact that central appliances (60) have] of claim 1, and further comprising: at least one return motion unit [(65)] which can be brought into contact with an inner side of [the curvature area (64)] a curvature area of the energy routing chain.

16. (Currently Amended) The [E]energy routing device according to Claim 15, [characterized by the fact that the contact occurs within a contact area which is substantially at the same height (H) as the] wherein the return motion unit contacts the inner side at a height equivalent to a center of curvature [(KM)] of the curvature area [(64)].

17. (Currently Amended) <u>The [E]energy</u> routing device [according to Claim 15 or 16, characterized by the fact that the return motion device (65) has] <u>of claim 15</u>, wherein the return motion unit comprises at least one, preferably tiltable, contact unit [(66)].

Application No.:

18. (Currently Amended) <u>The [E]energy</u> routing device [according to any one of Claim 1 to 17, characterized by the fact that it has two] <u>of claim 1</u>, and further comprising:

<u>a second</u> energy routing [chains (32, 33) whose] <u>chain</u>, <u>wherein the</u> respective first ends <u>of each energy routing chain</u> are adjacent to each other [and whose];

wherein the respective second ends [(38, 39) can] of each energy routing chain may be moved together[,]; and [that]

wherein the central appliance [(34)] is arranged between the [two] first and second energy routing chains [(32, 33)].

- 19. (Currently Amended) <u>The [E]energy</u> routing device [according to at least one of Claims 1 to 18, characterized by the fact that it has] <u>of claim 12, and further comprising:</u>
  - a channel [(1)] with a floor [(15) that] wherein the floor includes two flanks [(4)] extending in a substantially longitudinally horizontal direction to the energy routing chain.
- 20. (Currently Amended) The [E]energy routing device [according to Claim 19, characterized by the fact that] of claim 19, wherein the channel contains the [guidance duct for the central appliance (34)] the guiding duct.

Application No.:

21. (Currently Amended) The [E]energy routing device [according to Claim 20, characterized by

the fact that] of claim 19, wherein the floor [(15) of the channel] is located in a part of [the length

of] the channel [(1) that is] opposite to the returning side [(9) regarding the first end (8)] of the

energy routing chain, and wherein the floor [(15) of the channel is basically] is at the same level

as [the upper side (13)] as an upper side of the returning side[, thereby creating the routing].

22. (Currently Amended) The [E]energy routing device [according to claim 20 or 21,

characterized by the fact that the guidance] of claim 19, wherein the guiding duct is formed by

the flanks [(4)].

Please add the following new claims:

23. (New) The energy routing device of claim 13, wherein a cross-section of the duct profile is

substantially U-shaped.

24. (New) The energy routing device of claim 6 wherein the axis and rolling elements are formed

of one piece of plastic.